

CANADIAN JOURNAL OF ANIMAL SCIENCE
AUTHOR INDEX, VOLUME 62, 1982

- Aaron, D. K., 287
†Adams, K., 1256
Adelakoun, V., 1101
*Adeleye, I. O. A., 1273
Aherne, F. X., 907
†Aherne, F. X., 1255, 1256
Ainsworth, L., 425, 679
†Ainsworth, L., 1257
†Akbar, M. K., 1254
Allen, O. B., 731
†Allen, O. B., 1254
†Amoroso, E. C., 1257
†Anderson, D. M., 1256
†Ansah, G. A., 1253
*Atkinson, K. T., 1266
†Atkinson, J. L., 1256, 1257
†Atwal, O. S., 1256
Aziz, S. A., 633

†Bagg, J., 1257
*Bailey, D. R. C., 1259
†Baird, J., 1254
Baker, R. D., 759
Ball, R. O., 907
Barton, G. M., 467
Basarab, J. A., 387, 751, 1089
*Basarab, J. A., 1265
†Basur, P. K., 1254, 1255
Batra, T. R., 1063
Batra, T. T., 709
*Bawtree, A. H., 1272
†Bayley, H. S., 1256
Beames, R. M., 967
*Beames, R. M., 1268, 1269
†Bell, J. M., 1256
Bell, J. M., 275, 547, 557, 607, 617, 661
†Bellisimo, D. J., 1257
Belzile, R. J., 1245
Bentley, 1253
Berg, R. T., 345, 387, 575, 587, 699, 751
1049, 1089
†Berg, R. T., 1255
*Berg, R. T., 1259, 1260
*Berzins, R., 1263, 1267
†Berzins, R., 1253, 1256, 1257
Blair, R., 661
†Blair, R., 1256

Block, E., 487, 1249
†Boila, R. J., 1257
Bowland, J. P., 527, 1193
†Bowland, J. P., 1256
Braun, H. E., 799
†Bray, T. M., 1256
Bridge, R., 967
†Brisson, G. J., 1256, 1258
Brown, R. G., 25
Buchanan-Smith, J. G., 163, 173, 259, 299
†Buchanan-Smith, J. G., 1253, 1258
Buckland, R. B., 1
†Buckland, R. B., 1253
*Buckley, W. T., 1264
†Burley, F. E., 1256
Burnside, E. B., 323, 333
†Burnside, E. B., 1254
Burton, J. H., 799
†Burton, J. H., 1253, 1257
Bush, R. S., 429
Butler, G., 877
†Butler, G., 1255
Butler, J. L., 499

†Cady, R. A., 1254
*Cadden, A. M., 1267
Campbell, L. D., 537
†Carreno, J., 1258
†Carro, O., 1257
†Carson, M. S., 1257
*Cathcart, E. B., 1259, 1269
Cave, N. A., 887
†Chambers, J. R., 1255
†Chapman, H. W., 1253
†Charles, K., 1254
Cheeke, P. R., 513
Cheng, K. J., 855
†Chevalier, R., 1257
Chicoine, R., 333
Christensen, D. A., 155, 1258
Christison, G. I., 899, 1199, 1229
†Christison, G. I., 1253, 1254
Christopherson, R. J., 147, 777, 955
†Christopherson, R. J., 1257
*Christopherson, R. J., 1262, 1263
Church, D. C., 513
Clandinin, D. R., 269, 915, 919

*Indicates abstract only published.

†Indicates abstract published by the American Society of Animal Science. Titles and authors only have been listed in the *Canadian Journal of Animal Science*.

- †Cohen, R. D. H., 1257
 †Colucci, P., 1258
 †Cooper, J. A., 1257
 Cote, M., 473
 Coulter, G. H., 133
 †Coulter, G. H., 1257
 *Coxworth, E. W., 1274
 †Craig, T., 1257
 Croom, W. J., 217
 Crow, G. H., 1057
 †Crow, G. H., 1254
 Curtis, R. A., 633

 Darisse, J. P. F., 709, 1063
 †De Boer, G., 1253
 †Devlin, T. J., 1257, 1258
 Donefer, E., 191, 439
 †Donefer, E., 1254, 1258
 †Doornenbal, H., 1257
 *Douglas, M. J., 1267
 Drevjany, L. A., 191, 439
 †Droppo, T. E., 1253
 †Drysdale, R. A., 1257
 Dubetz, S., 305, 311
 Dufour, J. J., 1101
 Dwyer, R. J., 1109

 *Early, R. J., 1262
 *Edjehadi, M., 1263
 Eggum, B. O., 537
 Elliot, J. L., 877, 1211
 *Elofson, R. M., 1271
 *Emmanuel, B., 1263, 1264
 Emmons, D. B., 653
 Emsley, A. E., 1063
 Erfle, J. D., 249
 †Esdale, W. J., 1258
 †Evans, F. D., 1253, 1254, 1257

 Fahmy, M. H., 363, 1101
 †Fahmy, M. H., 1254
 Fairey, N. A., 1143
 Fairfull, R. W., 425
 †Fairfull, R. S., 1254
 Farmer, C., 1229
 †Farmer, C., 1253, 1254
 Fanous, M. A., 191
 Fenton, M., 527
 †Fenton, T. W., 1256
 Fiser, P. S., 425
 Fisher, L. J., 459, 481, 1143
 †Fisher, L. J., 1256
 *Fisher, L. J., 1266, 1267
 Flipot, P., 959

 Forrest, R. J., 1079
 *Forrest, R. J., 1272
 Forsberg, C. W., 299
 Fortin, A., 69, 877
 †Fortin, A., 1255
 Frank, R., 799
 Fredeen, A. H., 449, 827
 Fredeen, H. T., 35, 51, 943, 1119
 †Fredeen, H. T., 1254, 1255
 †Friars, G. W., 1254
 Friend, D. W., 877, 1211
 *Frinton, P. A., 1271
 *Froese, C. F., 1269
 Froetschel, M., 217
 Fujihara, N., 951

 †Gabler, S., 1257
 †Gagnon, M., 1257
 Galloway, T. D., 935
 Galyean, M. L., 649
 Gardiner, E. E., 305, 311
 †Garino, H. J., 1258
 Gaston, C., 467
 †Gauthier-Serrey, L., 1257
 †Gavora, J. S., 1254, 1255
 *Giesecke, D., 1264
 *Giles, K., 1267
 †Girard, C. L., 1256, 1258
 Goetsch, A. L., 649
 Goh, Y. K., 269, 915, 919
 †Gopinath, R., 1255, 1258
 *Gopinath, R., 1261
 Gordon, D. J., 975
 *Gould, R., 1265
 †Gowe, R. S., 1254
 Graham, A. D., 147, 777
 †Graham, A. D., 1254
 Graham, W. C., 745, 845
 Grandhi, R. R., 315
 †Grandhi, R. R., 1256
 Greenberg, L. G., 141
 Gregg, V. A., 123
 Grieve, D. G., 449, 799, 827
 †Grieve, D. G., 1253, 1257
 Grigat, G. A., 807
 †Grofum, W. L., 1253
 Guenter, W., 181

 *Ha, J. K., 1267
 Hacker, R. R., 417
 †Hacker, R. R., 1253, 1254, 1256
 Hackett, A. J., 291, 1109
 †Hackett, A. J., 1257
 Hall, J. W., 855

- †Hallett, F. R., 1257
 Hamilton, R. M. G., 887
 *Hancock, M. J., 1263
 Hardin, R. T., 699
 Harlos, J. A., 935
 Hartin, K. E., 1211
 Harvey, R. W., 217
 Haufe, W. O., 567
 Haworth, C. R., 645, 731
 Heaney, D. P., 679, 689, 837, 1135, 1241
 †Hee, J. H., 1253, 1256
 Hellwig, R. E., 499
 *Helm, J. H., 1269
 Hickling, D. R., 657
 Hidioglou, M., 229
 Hidioglou, M. A., 229
 †Hilaire-Marcel, G., 1257
 Hingston, A. R., 155
 *Hird, W. L., 1260
 †Hocking, P. M., 1255
 Hohenboken, W. D., 821
 Holtan, D. W., 513
 †Holtmann, W. B., 1254
 Howell, W. E., 1057
 Howland, B. E., 85, 767
 *Huckin, 1264
 Hulan, H. W., 239, 321, 869, 925, 971, 1161, 1171
 Hunt, J. R., 467
 Hurnik, J. F., 975
 †Hurnik, J. F., 1253

 †Hssen, P., 1254
 Ingalls, J. R., 181
 †Ingalls, J. R., 1258
 Ivan, M., 979

 †Jackson, P., 1255
 Jeffries, D. C., 665
 †Jeffries, D. C., 1254
 *Jelen, P., 1267
 Jenkins, K. J., 653
 †Jensen, A. H., 1255
 Jeremiah, L. E., 77, 353, 641
 †Jeremiah, L. E., 1255
 Jofriet, J. C., 163
 †Johansson, K., 1254
 Joliff, G. D., 513
 Jones, S. D. M., 295, 371, 381, 645, 731
 †Jones, S. D. M., 1255
 †Jørgensen, H., 1256
 *Juffinger, F. K., 1273

 Keith, M. O., 275, 547

 †Keith, M. O., 1256
 Keller, D. G., 133
 Kennedy, B. W., 333
 †Kennedy, B. W., 1254
 *Kennedy, P. M., 1270
 *Kennelly, J. J., 1264, 1267, 1268
 Kennick, W. H., 207
 *Kernan, J. A., 1274
 Kerr, A., 323
 Kilmer, L. H., 487
 †King, G. J., 1253, 1257
 Kitts, D. D., 397, 409
 †Kitts, W. D., 1255, 1258
 *Kitts, W. D., 1261
 *Knipfel, J. E., 1272, 1273, 1274
 Koga, O., 951
 †Kozub, G. C., 1257
 Krishnamurti, C. R., 397, 409, 787, 1223
 †Krishnamurti, C. R., 1253
 *Krishnamurti, C. R., 1262
 †Kroetsch, T., 1257
 †Kunelius, H. T., 1256

 Lague, P. C., 759
 Lalonde, G., 363, 959
 †Lamontagne, L., 1257
 †Langford, G. A., 1257
 Larmond, E., 363, 877
 †Larmond, E., 1255
 Latrille, L., 191, 439
 Lawson, J. E., 35, 51, 717
 †Lawson, J. E., 1257
 Lee, A. J., 333, 709, 1063
 †Lee, A. J., 1254
 Leeson, S., 307, 861
 †Leeson, S., 1256
 Lewis, D. J., 1249
 Lewis, N. J., 975
 †Lewis, N. J., 1253
 †Leung, J., 1256
 †Lillie, L. E., 1257
 †Lin, C. Y., 1254
 Linnerud, A. C., 217
 *Litsky, J., 1268, 1269
 Lovelock, L. K. A., 299
 †Lozeman, F. J., 1258
 *Lozeman, F. J., 1263
 †Lyle, R. R., 1253

 MacHardy, F. V., 109
 †Mackenzie, A. F., 1256
 MacLeod, G. K., 163, 449, 827
 †MacLeod, G. K., 1253, 1257
 Mahadevan, S., 249

- Mahone, J. P., 141
Majak, W., 855
Major, D. J., 305
Makarechian, M., 345, 739
†Makarechian, M., 1255
*Makarechian, M., 1260
†Manns, J. G., 1257
March, B. E., 657
Marquardt, R. R., 1181
Martin, A. H., 77, 353, 943
†Martin, A. H., 1254, 1255, 1257
Martin, P. J., 1129
Martin, S. W., 633
Mathison, G. W., 807, 1129
*Mathison, G. W., 1265, 1270, 1271
†Matte, J. J., 1256, 1258
Matton, P., 1101
McAllister, A. J., 709, 1063
†McAllister, A. J., 1254, 1257
†McBride, G. E., 1257, 1258
*McBride, B. W., 1263
†McColl, C. L., 1254
McCormick, W. C., 499
†McDonell, W. N., 1255
McGregor, D. I., 275
†McIntosh, M. K., 1256
†McKay, L. R., 1254
†McManus, R. F., 1256
McMillan, I., 449, 827
MacNeill, A. C., 481
McQueen, R. E., 507
McQuitty, J. B., 95
McRae, K. B., 239, 925, 1256
Milligan, L. P., 123, 1129, 1193
†Milligan, L. P., 1258
*Milligan, L. P., 1263, 1264, 1270, 1271
†Mir, Z., 1253
Misener, G. C., 507
Misir, R., 1149
†Misir, R. M., 1256
Mitaru, B. N., 661
†Mitaru, B. N., 1256
†Mohammed, T. A., 1258
Morse, P. M., 249
Muller, L. D., 487
Murray, A. C., 641
†Murray, A. C., 1255
Muztar, A. J., 521
†Mwendia, C. W., 1258

†Nagai, J., 1254
†Nakano, T., 1255, 1256
†Narasimhalu, P., 1256
†Ndlovu, L. R., 1258

†Neckles, F. A., 1254
Newman, J. A., 35, 51
*Newsome, F. E., 1261
Nicol, A. M., 777
†Nicholson, H. H., 1258
Nicholson, J. W. G., 507
Nipper, W. A., 821

Owen, B., 967
*Owen, B. D., 1270

Page, S., 959
Palmer, W. M., 85, 597, 767
†Palmer, W. M., 1255
Parker, R. J., 597
Parra de Solano, N. M., 899
†Patterson, D. L., 1254
*Patterson, D. L., 1260
†Pelletier, G., 1257
†Pennell, G. C., 1256
*Pennells, G. C. L., 1270
†Perera, A. N. M., 1254
Peters, H. F., 689, 837, 1135, 1241
*Peterson, G. B., 1266
Peterson, R. G., 665
†Peterson, R. G., 1254
*Peterson, R. G., 1259, 1260
†Phillips, G. D., 1254, 1258
Phillip, L. E., 259
†Phillip, L. E., 1256
Phillips, P. A., 95, 109
Pouteaux, V. A., 1199
Price, M. A., 3, 739, 745, 845
†Price, M. A., 1255
*Price, M. A., 1260
*Pringle, D., 1269
Proudfoot, F. G., 239, 321, 869, 925, 971, 1161, 1171
†Proulx, J. G., 1255

†Rae, R. C., 1258
Rahnefeld, G. W., 35, 51, 597
Rajamahendran, R., 759
†Rawlings, N. C., 1257
Reichert, R. D., 661
†Reichert, R. D., 1256
†Reyes, E. R., 1254
Rhodes, C. S., 1199
Richmond, R. J., 575, 587
*Richmond, R. J., 1259, 1272
†Rieger, D., 1257
Robblee, A. R., 269, 915, 919
Robertson, H. A., 1109
†Robinson, J., 1258

- †Roe, W. E., 1256
 †Rompala, R. E., 1255
 †Rony, D. D., 1254
 Rose, S. P., 607, 617
 Rosecrans, J. G., 821
 †Rowe, G. E., 1258
 Roy, G. L., 709, 1063
 †Ruston, J., 1258
 *Ryder, J. C., 1272
- Sandals, W. C. D., 633
 Sanford, L. M., 85, 767
 †Sanford, L. M., 1255
 Sather, A. P., 625, 943, 1119
 †Sather, A. P., 1254, 1257
 Sauer, F. D., 249, 1149
 †Sauer, W. C., 1253, 1256
 Schaefer, A. L., 787, 1223
 †Schaefer, A. L., 1253
 *Schaefer, A. L., 1262
 Schaeffer, L. R., 323, 1237
 †Schaeffer, L. R., 1254
 Schang, M. J., 305, 963
 Seoane, J. R., 473
 *Shackleton, D. M., 1266, 1271
 †Shahin, K., 1255
 Sharma, A. K., 699, 1049
 †Sharma, A. K., 1255
 Sharma, H. R., 181
 †Sharpe, P. H., 1257
 †Shelford, J. A., 1256
 *Shelford, J. A., 1259, 1266, 1268, 1270, 1271
 Shen, H., 861
 Shires, A., 269, 275, 557, 915, 919
 †Shires, A., 1256
 †Shively, J. E., 1256
 Shqueir, A. A., 207
 Shrestha, J. N. B., 679, 689, 837, 1135, 1241
 Sibbald, I. R., 983
 Simaraks, S., 85
 *Slack, W. P., 1268
 Smith, A. N., 679
 Smith, G. C., 333
 †Smith, T. E., 1257
 †Smart, M. E., 1258
 Song, H., 1237
 †Sorensen, D. A., 1254
 †Sreemannarayana, O., 1258
 †Stanger, N. E., 1258
 †Stone, J. B., 1257
 *Stothers, S. C., 1269
 Strain, J. H., 315
 Strath, R. A., 387, 955
 *Striker, M. A., 1259
- Summers, J. D., 307, 861
 †Summers, J. D., 1253
 Swatland, H. J., 15, 725
 †Swierstra, E. E., 1257
 Szkotnicki, J. E., 371
- Tait, R. M., 467
 *Tait, R. M., 1268, 1269, 1270
 †Taylor, J. D., 1258
 Teather, R. M., 249
 Thacker, P. A., 527, 1193
 †Thacker, P. A., 1256
 Thomas, D. L., 207
 *Thomas, J., 1271
 Thompson, B. K., 1211
 Thompson, J. R., 387, 751, 955, 1089
 †Thompson, J. R., 1255, 1256, 1257
 *Thompson, J. R., 1262, 1263
 Thrift, F. A., 287
 Throckmorton, J. C., 513
 †Todd, L., 1256
 Tong, A. K. W., 671, 1254, 1257
 Trenholm, H. L., 1211
 †Trenkle, A., 1253
 †Turner, B. V., 1258
- *Urquhart, A., 1267
 Utley, P. R., 499
- *Vanderstoep, J., 1272
 Veira, D. M., 979
 Vesely, J. A., 709, 1063
 Visser, S. A., 473
 †Viera, D. M., 1255
- Walton, J. S., 371
 †Walton, J. S., 1257
 Weber, D. W., 821
 †Webster, A. B., 1253
 Weingardt, R., 345
 *Weisenburger, R. D., 1265, 1270
 Weiss, G. M., 35, 51
 †Weiss, G. M., 1255
 Weltzien, 1193
 Wheelhouse, R. K., 417
 *Whiting, R. J., 1270
 †Wilkie, B. N., 1253
 Willms, L., 699
 Wilson, G. F., 449
 Wilton, J. W., 371, 1237
 Winter, K. A., 709, 1063
 †Winter, K. A., 1256
 *Wohllebe, J., 1271

Wolstrup, J., 537
Wolynetz, M. S., 877, 1109

Yarney, T. A., 597
†Yarney, T. A., 1255
Young, B. A., 95

Young, J. C., 1181
†Young, J. W., 1253
†Yousif, Y. F., 1253

Zarkadas, C. G., 1161, 1171

SUBJECT INDEX **CANADIAN JOURNAL OF ANIMAL SCIENCE** **VOLUME 62, 1982**

- Abattoir testing
 - evaluation of pork quality, 725
- Acclimation
 - catecholamine and noradrenaline in sheep, 147
- Adaptation
 - rumen ammonia concentration, 249
- Adjustment factors
 - performance traits in beef cattle, 699
- Adrenaline
 - rumen motility response of sheep, 777
- Age
 - effect of age and weight on test gains of bulls, 671
 - hormone levels in the ram, 767
- Age and sex
 - performance traits in beef cattle, 699
- Aging
 - bovine postmortem aging, 77
- Alanine
 - substrate metabolism in the ovine fetus, 397
- Alfalfa
 - alfalfa as a fiber source for calves, 459
- All-concentrate
 - thiamin for feedlot steers, 807
- Altex
 - nutritional value of rapeseed meals, 521
- Amino acids
 - influence of antibiotics on digestion, 537
 - nutritional value of rapeseed meals, 521
 - potato waste meal, 1161
 - rumen ammonia concentration, 249
- Ammonia
 - rumen ammonia concentration, 249
- Ammonia treatment
 - ammonia and corn silage dry matter, 173
- Ammoniation
 - ammoniation of canola meal, 915
 - effects of ammoniation on rapeseed meal, 547
- Analytical effects
 - ammonia and corn silage dry matter, 173
- Angle of cut
 - angle of cut and thaw-drip and cooking of steaks, 641
- Animal waste
 - poultry waste in corn silage, 163
- Anthelmintic treatment
 - parasite treatment of cattle, 481
- Antibiotics
 - influence of antibiotics on digestion, 537
 - penicillin, chlortetracycline and sulfamethazine for weanling pigs, 967
 - fishy odor and trimethylamine in eggs, 919
- Apparent digestibilities
 - protein quality of high lysine barleys, 1149
- Artificial nursing
 - nursing apparatus for neonatal piglets, 975
 - alternatives to lamb milk replacer, 1135
- Artificial rearing
 - performance of lambs fed milk replacers, 837
 - rapeseed and coconut oil in lamb milk replacers, 1241
- Assays
 - measurement of available feed energy, 984
- Association
 - culling of Holstein-Friesian cows, 633
- Ayrshire
 - comparison of proven bulls, 333
 - heifer growth, 1063
- Backcross
 - growth performance of lambs, 689
- Backfat
 - evaluation of ultrasonic probes, 943
 - leg weakness in swine, 1119
- Barley lines
 - protein quality of high lysine barleys, 1149
- Barley protein
 - protein utilization by weanlings, 899
- Beef
 - angle of cut and thaw-drip and cooking of steaks, 641
 - bovine longissimus dorsi, 353
 - bovine postmortem aging, 77
 - measurement of subcutaneous fat thickness in beef carcasses, 645
- Beef bulls
 - scrotal circumference of bulls, 133
- Beef cattle
 - calf genetic type and preweaning traits, 287
 - calving performance of beef cattle, 345
 - maternal effects in beef cattle, 1057
 - NaCl in beef cattle diets, 217
 - performance traits in beef cattle, 699
 - preweaning of calves, 35, 51
- Beef cattle performance
 - calving performance and ease of calving, 1237

- dairy crosses with Hereford, 717
- Beef cows
 - parturition in beef cows, 597
- Beef crosses
 - dairy crosses with Hereford, 717
- Beef sire evaluation
 - calving performance and ease of calving, 1237
- Behavior
 - selection of floor type by pigs, 1229
- Bermudagrass pellets
 - forage utilization of calves, 499
- Bioavailable
 - measurement of available feed energy, 984
- Body weight recovery
 - body weight of adult roosters, 307
- Bouvillons
 - valeur alimentaire de l'ensilage de maïs-luzerne, 959
- Breed
 - bovine postmortem aging, 77
 - hormone levels in the ram, 767
 - scrotal circumference of bulls, 133
- Breed evaluation
 - growth performance of lambs, 689
- Broilers
 - performance of broilers fed rapeseed, 269
- Broiler chicks
 - tower rapeseed meal and soybean meal in diets for broiler chicks, 311
- Broiler chickens
 - toe clipping and reduced feeding time of broiler chickens, 971
 - sorghum grain for broiler chickens, 869
 - potato waste meal, 1171
- Broiler diets
 - canola seed in poultry diets, 861
- Brown midrib-3
 - brown midrib-3 corn plant utilization by sheep, 487
- Brown swiss
 - heifer growth, 1063
- Bulls
 - scrotal circumference of bulls, 1049
- Buttermilk powder
 - protein utilization by weanlings, 899
- Calcium
 - effects of diet on eggshell strength, 925
 - kinetics of calcium in sheep, 229
- Calf
 - feeding fermented colostrum, 191
 - prevention of clotting of whole milk and milk replacer by chymosin, 653
- Calf genetic types
 - calf genetic type and preweaning traits, 287
- Calving difficulty
 - calving performance of beef cattle, 345
- Calving ease
 - calving performance and ease of calving, 1237
 - preweaning of calves, 35
- Canadian
 - comparison of proven bulls, 333
- Candle
 - nutritional value of rapeseed meals, 521
- Canola
 - performance of meat chicken breeders, 239
 - tannin and fiber contents of rapeseed and canola hulls, 661
 - ammoniation of canola meal, 915
- Canola meal
 - fishy odor and trimethylamine in eggs, 919
 - nutritional value of rapeseed meals, 521
- Canola seed
 - canola seed in poultry diets, 861
- Carcass
 - fat in ewe and ram lambs, 381
 - meat carcass grading, 3
- Carcass backfat
 - measurement of subcutaneous fat, 731
- Carcass characteristics
 - finishing steers on corn or grass silage, 1079
- Carcass composition
 - feedlot performance of cull cows, 845
 - of lambs and cattle, 371
 - of Yorkshire pigs, 69
- Carcass evaluation
 - evaluation of ultrasonic probes, 943
- Carcass grading
 - dental age classification of cows, 745
 - measurement of subcutaneous fat thickness in beef carcasses, 645
- Carcass traits
 - effects of zeranol on growth and carcass, 739
- Catecholamine
 - catecholamine and noradrenaline in sheep, 147
- Cattle
 - dental age classification of cows, 745
 - erythrocyte and lipoprotein lipid composition in dm cattle, 1089
 - erythrocyte glycolysis in dm cattle, 751
 - evaluation of glucopyranosylamines for cattle, 1129
 - growth of cattle with horn fly control, 567
 - potato-hay silage, 507
 - rumen metabolism of 3-nitropropanol, 855

- silages for Hereford steers, 155
- tetrachlorvinphos-impregnated cattle ear-tags, 1249
- thyroid hormones and metabolic rate in dm cattle, 387
- Cattle grubs
 - a survey for cattle grubs, 935
- Cellulolytic enzymes
 - performance of broilers fed rapeseed, 269
- Cereal silage
 - silages for Hereford steers, 155
 - effect of ergotamine tartrate on chickens, 1181
- Chicken
 - fishy odor and trimethylamine in eggs, 919
- Chicken eggs
 - effect of preincubation warming on the hatchability of hens eggs, 321
- Chicks
 - ammoniation of canola meal, 915
- Choice
 - selection of floor type by pigs, 1229
- Cholesterol
 - meat consumption and human health, 25
- Circulation
 - circulating estrogen levels in the ram, 85
- Clotting
 - prevention of clotting of whole milk and milk replacer by chymosin, 653
- CO₂ production
 - CO₂ production in the ovine fetus, 409
- Cock spermatozoa
 - survival of cock spermatozoa, 951
- Cold
 - catecholamine and noradrenaline in sheep, 147
 - diarrhea in newly weaned pigs, 1199
- Cold acclimation
 - rumen motility response of sheep, 777
- Cold thermogenesis
 - role of Na⁺, K⁺-ATPase, 123
- Cold-water fish
 - assessment of heat damage in fish meals, 657
- Collagen
 - bovine postmortem aging, 77
- Colostrum
 - feeding fermented colostrum, 191
- Compensatory growth
 - feedlot performance of cull cows, 845
- Composition
 - composition and digestibility of rapeseed hulls, 557
 - effects of ammoniation on rapeseed meal, 547
 - potato waste meal, 1161
- Concentrate level
 - dietary concentrate level and rumen fluid dilution rate, 649
- Confinement housing
 - leg weaknesses in swine, 1119
- Controlled light
 - reproduction performance of sheep, 1109
- Cooking losses
 - angle of cut and thaw-drip and cooking of steaks, 641
- Corn
 - ensiling corn, 259
 - poultry waste in corn silage, 163
- Corn plants
 - brown midrib-3 corn plant utilization by sheep, 487
- Corn silage
 - ammonia and corn silage dry matter, 173
 - corn planting density, 1143
- Corn stover
 - brown midrib-3 corn plant utilization by sheep, 487
- Cow-calf
 - twin-foster calf rearing, 821
- Cow indexing
 - dairy herd lactation production, 323
- Crossbreeding
 - dairy crosses with Hereford, 717
 - preweaning of calves, 35
 - preweaning performance of calves, 51
- Cryosurvival
 - cryosurvival of ram spermatozoa, 425
- Cull cows
 - effects of zeranol on growth and carcass, 739
 - feedlot performance of cull cows, 845
 - performance and carcass characteristics, 295
- Culling
 - culling of Holstein-Friesian cows, 633
- Cultured cells
 - survival of cock spermatozoa, 951
- Dairy calves
 - alfalfa as a fiber source for calves, 459
- Dairy cattle
 - comparison of proven bulls, 333
 - dairy cattle reproductive performance, 709
 - milk yields in Ontario dairy herds, 449
 - parasite treatment of cattle, 481
- Dairy cows
 - variation in cow milk yield, 827
- Defaunation
 - rumen fluid and duodenal digesta of faunated and defaunated sheep, 979

- defaunation of the ovine rumen, 299
- Dentition
 - dental age classification of cows, 745
- Detergent
 - defaunation of the bovine rumen, 299
- Detosification
 - rumen metabolism of 3-nitropropanol, 855
- Diarrhea
 - diarrhea in newly weaned pigs, 1199
- Diets
 - effects of diet on eggshell strength, 925
 - sorghum grain for broiler chickens, 869
 - tower rapeseed meal and soybean meal in diets for broiler chicks, 311
- Diet complexity
 - effect of diet on diarrhea in pigs, 907
- Digestibility
 - alfalfa as a fiber source for calves, 459
 - composition and digestibility of rapeseed hulls, 557
 - ensiling corn, 259
 - feeding fermented colostrum, 439
 - meadowfoam as a feedstuff for sheep, 513
 - protein utilization by weanlings, 899
- Digestibility response
 - responses of pigs to low temperature, 95
- Diluents
 - cryosurvival of ram spermatozoa, 425
- Diptera
 - tetrachlorvinphos-impregnated cattle ear-tags, 1249
- Disease
 - culling of Holstein-Friesian cows, 633
- Double muscled
 - erythrocyte glycolysis in dm cattle, 751
- Double-muscled bulls
 - plasma glucose kinetics in double-muscled cattle, 955
- Double muscling
 - erythrocyte and lipoprotein lipid composition in dm cattle, 1089
 - thyroid hormones and metabolic rate in dm cattle, 387
- Driselase
 - performance of broilers fed rapeseed, 269
- Dry matter level
 - ammonia and corn silage dry matter, 173
- Ear tags
 - growth of cattle with horn fly control, 567
 - tetrachlorvinphos-impregnated cattle ear-tags, 1249
- Early weaning
 - nursing apparatus for neonatal piglets, 975
- Effective fiber
 - roughage in dairy cow rations, 181
- Egg production
 - phase-feeding of hens, 887
 - sorghum and wheat in layer diets, 305
- Eggshell strength
 - effects of diet on eggshell strength, 925
- Electrical capacitance
 - evaluation of pork quality, 725
- Energy
 - double force feeding and true metabolizable energy, 963
 - influence of antibiotics on digestion, 537
 - measurement of available feed energy, 984
- Energy : protein ratio
 - feeding fermented colostrum, 439
- Energy expenditure
 - role of Na^+ , K^+ -ATPase, 123
- Energy requirements
 - feeding fermented colostrum, 439
- Energy retention
 - protein and lipid gains in pigs, 109
- Ensilage
 - valeur alimentaire de l'ensilage de maïs-luzerne, 959
- Ensilng
 - ensiling corn, 259
 - poultry waste in corn silage, 163
- Environmental correlation
 - effects of age and weight on test gains of bulls, 671
- Enzymatic-fluorometric procedure
 - L-tyrosine in plasma, 1223
- Enzymes
 - enzymes and metabolism in rumen epithelium, 429
- Ergot
 - effects of ergotamine tartrate on chickens, 1181
- Ergotamine tartrate
 - effects of ergotamine tartrate on chickens, 1181
- Erucic acid
 - contaminated rapeseed fed to mice, 617
- Erythrocytes
 - erythrocyte and lipoprotein lipid composition in dm cattle, 1089
 - erythrocyte glycolysis in dm cattle, 751
- Estrogen
 - circulating estrogen levels in the ram, 85
- Estrus detection
 - ovarian activity in sheep, 1101
- Exotic
 - growth performance in lambs, 689

- Extended breeding season
 ovarian activity in sheep, 1101
- Extraction
 enzymes and metabolism in rumen epithelium, 429
- FDI
 measurement of subcutaneous fat thickness in beef carcasses, 645
- Factors
 calving performance of beef cattle, 345
- Fall calving
 twin-foster calf rearing, 821
- Farm flocks
 controlled reproduction of sheep, 679
- Fat
 fat in ewe and ram lambs, 381
 meat consumption and human health, 25
- Fat cover
 bovine longissimus dorsi, 353
- Fat depression
 roughage in dairy cow rations, 181
- Fat levels
 performance of lambs fed milk replacers, 837
- Fat probes
 measurement of subcutaneous fat, 731
- Fat thickness
 measurement of subcutaneous fat thickness in beef carcasses, 645
- Fatty acids
 blood metabolite levels in feed-restricted hogs, 315
- Fecundity
 reproductive performance of ewes, 291
- Feed consumption
 roughage in dairy cow rations, 181
- Feed denial
 toe clipping and reduced feeding time of broiler chickens, 971
- Feed efficiency
 alfalfa as a fiber source for calves, 459
- Feed intake
 double force feeding and true metabolizable energy, 963
- Feeding
 milk yields in Ontario dairy herds, 449
 vomitoxin-contaminated wheat fed to pigs, 1211
- Feeding and management factors
 variation in cow milk yield, 827
- Feedlot performance
 feedlot performance of cull cows, 845
- Feedlot steers
 thiamin for feedlot steers, 807
- Feed restriction
 toe clipping and reduced feeding time of broiler chickens, 971
 effect of diet on diarrhea in pigs, 907
 reproductive performance and meat production of gilts, 877
 blood metabolite levels in feed-restricted hogs, 315
- Feedlot lambs
 performance, 207
- Fenvalerate
 growth of cattle with horn fly control, 567
- Fermentation
 dietary concentrate level and rumen fluid dilution rate, 649
 rumen ammonia concentration, 249
- Fertility
 reproductive performance of ewes, 291
- Fetus
 tyrosine turnover in the ovine fetus, 787
- Fetus-in utero-substrate interrelationship
 substrate metabolism in the ovine fetus, 397
- Fiber
 tannin and fiber contents of rapeseed and canola hulls, 661
- Finnish
 comparison of proven bulls, 333
- Fish meal
 assessment of heat damage in fish meals, 657
- Fishy eggs
 fishy odor and trimethylamine in eggs, 919
- Flies
 growth of cattle with horn fly control, 567
- Floors
 selection of floor type by pigs, 1229
- Fluorogestone acetate
 controlled reproduction of sheep, 679
- Food
 the future of meat as a sustainable food system, 1
- Forage evaluation
 voluntary intake of forage, 473
- Forage intake
 voluntary intake of forage, 473
- Forage utilization
 forage utilization of calves, 449
- Force feeding
 body weight of adult roosters, 307
- Formic acid
 silages for Hereford steers, 155
- Gain on test
 effects of age and weight on test gains of bulls, 671

- Genetic correlations
ultrasonic backfat measurement in swine, 665
- Genetic differences
dairy herd lactation production, 323
- Gilts
reproductive performance and meat production of gilts, 877
- Glucose
blood metabolite levels in feed-restricted hogs, 315
erythrocyte glycolysis in dm cattle, 751
substrate metabolism in the ovine fetus, 397
- Glucose kinetics
plasma glucose kinetics in double-muscled cattle, 955
- Glucosinolates
effects of contaminated RSM on reproduction, 607
- Glucopyranosylamines
evaluation of glucopyranosylamines for cattle, 1129
- Gonadotropins
hormone levels in the ram, 767
- Grading
meat carcass grading, 3
- Grading-up
calf genetic type and preweaning traits, 287
- Growth
effect of light on gilts, 417
finishing steers on corn or grass silage, 1079
growth and feed utilization of mice, 275
growth of pig muscle, 575
growth performance of lambs, 689
heifer growth, 1063
parasite treatment of cattle, 481
penicillin, chlortetracycline and sulfamethazine for weanling pigs, 967
performance and carcass characteristics of cull dairy cows, 295
scrotal circumference of bulls, 1049
- Growth rate
leg weakness in swine, 1119
- Haematobia irritans*
growth of cattle with horn fly control, 567
- Hatchability
effect of preincubation warming on the hatchability of hens eggs, 321
- Hay
potato-hay silage, 507
- Health
meat consumption and human health, 25
- Heart
meat consumption and human health, 25
- Heavy metals
intake of newsprint by cows, 799
- Heifers
heifer growth, 1063
- Hen
phase-feeding of hens, 887
- Herds
dairy herd lactation production, 323
- Heritabilities
ultrasonic backfat measurement in swine, 665
- Heritability
maternal effects in beef cattle, 1057
- High grain
NaCl in beef cattle diets, 217
- High lysine barleys
protein quality of high lysine barleys, 1149
- Hipproly
protein quality of high lysine barleys, 1149
- Histological properties
bovine longissimus dorsi, 353
- Holsteins
heifer growth, 1063
- Holstein cows
roughage in dairy cow rations, 181
- Holstein-Friesian beef \times dairy crosses
meat quality of steers, 363
- Holstein-Friesian
culling of Holstein-Friesian cows, 633
- Hormonal stimulation
progesterone in prepuberal heifers, 759
- Hormone treatment effects
reproduction performance of sheep, 1109
- Hourly distribution
parturition in beef cows, 597
- Housing density
boar performance, 625
- Hulls
tannin and fiber contents of rapeseed and canola hulls, 661
- Implant
performance and carcass characteristics of cull dairy cows, 295
- Intake
ensiling corn, 259
- Isotope dilution technique
substrate metabolism in the ovine fetus, 397
- Kinetic data
kinetics of calcium in sheep, 229
- Kinetics
urea recycling in the pig, 1193

- L-tyrosine
 - L-tyrosine in plasma, 1223
- Lactate
 - substrate metabolism in the ovine fetus, 397
- Lactating cows
 - intake of newsprint by cows, 799
- Lactating dairy cows
 - corn planting density, 1143
- Lactic acid
 - erythrocyte glycolysis in dm cattle, 751
- Lambs
 - alternatives to lamb milk replacer, 1135
 - fat in ewe and ram lambs, 381
 - performance of lambs fed milk replacers, 837
 - rapeseed and coconut oil in lamb milk replacers, 1241
- Layers
 - fishy odor and trimethylamine in eggs, 919
- Leghorn
 - effects of diet on eggshell strength, 925
- Leg weakness
 - leg weaknesses in swine, 1119
- Light
 - influence of photoperiod on sows, 141
- Light spectrum
 - effect of light on gilts, 417
- Lignin
 - brown midrib-3 corn plant utilization by sheep, 487
 - tannin and fiber contents of rapeseed and canola hulls, 661
- Limnanthes
 - meadowfoam as a feedstuff for sheep, 513
- Lipids
 - effects of vitamin B₁₂ on pigs, 527
- Lipoprotein
 - effects of vitamin B₁₂ on pigs, 527
- Liquid dilution rate
 - dietary concentrate level and rumen fluid dilution rate, 649
- Live animal evaluation
 - carcass composition of lambs and cattle, 371
 - evaluation of ultrasonic probes, 943
- Liver
 - vitamin and mineral mixture for mink, 1245
- Liveweight
 - responses of pigs to low temperature, 95
- Lodgepole pine muka
 - utilization of muka by sheep, 467
- Low glucosinolate
 - effects of ammoniation on rapeseed meal, 547
- Lysine
 - tower rapeseed meal and soybean meal in diets for broiler chicks, 311
- Maïs-luzerne
 - valeur alimentaire de l'ensilage de maïs-luzerne, 959
- Management
 - boar performance, 625
 - milk yields in Ontario dairy herds, 449
- Manitoba packing plants
 - a survey for cattle grubs, 935
- Maternal
 - maternal effects in beef cattle, 1057
- Mating
 - circulating estrogen levels in the ram, 85
- Meadowfoam
 - meadowfoam as a feedstuff for sheep, 513
- Meat
 - the future of meat as a sustainable food system, 1
 - meat consumption and human health, 25
- Meat chicken breeders
 - performance, 239
- Meat parent genotypes
 - effect of preincubation warming on the hatchability of hens eggs, 321
- Meat quality
 - improving meat quality, 15
 - meat carcass grading, 3
 - reproductive performance and meat production of gilts, 877
 - meat quality of steers, 363
- Metabolic rate
 - thyroid hormones and metabolic rate in dm cattle, 387
- Metabolism
 - substrate metabolism in the ovine fetus, 397
- Methodology
 - measurement of available feed energy, 984
- Mice
 - contaminated rapeseed fed to mice, 617
 - effects of contaminated RSM on reproduction, 607
 - growth and feed utilization, 275
- Milk replacers
 - performance of lambs fed milk replacers, 837
 - prevention of clotting of whole milk and milk replacer by chymosin, 653
- Milk yield
 - parasite treatment of cattle, 481
 - variation in cow milk yield, 827
- Milo
 - sorghum grain for broiler chickens, 869
- Mink growth
 - vitamin and mineral mixture for mink, 1245
- Mink reproduction
 - vitamin and mineral mixture for mink, 1245

- Miserotoxin
 rumen metabolism of 3-nitropropanol, 855
- Model
 protein and lipid gains in pigs, 109
- Monensin
 forage utilization of calves, 449
 performance of feedlot lambs, 207
- Mortality
 preweaning of calves, 35
- Muscle distribution
 growth of pig muscle, 587
- Muscle growth
 growth of pig muscle, 575, 587
- Muscle respiration
 role of Na^+ , K^+ -ATPase, 123
- Muscle structure
 improving meat quality, 15
- Mustard
 growth and feed utilization of mice, 275
- Mycotoxins
 effects of ergotamine tartrate on chickens, 1181
- NH_3
 evaluation of glucopyranosylamines for cattle, 1129
- NPN
 evaluation of glucopyranosylamines for cattle, 1129
- Neonatal piglets
 nursing apparatus for neonatal piglets, 975
- Newsprint consumption
 intake of newsprint by cows, 799
- Nitrogen
 influence of antibiotics on digestion, 537
 3-nitropropanol
 rumen metabolism of 3-nitropropanol, 855
- Nonprotein nitrogen
 ensiling corn, 259
- Noradrenaline
 catecholamine and noradrenaline in sheep, 147
 rumen motility response of sheep, 777
- Norwegian red
 heifer growth, 1063
- Nutrition
 sorghum and wheat in layer diets, 305
- Nutritional quality
 effects of ammoniation on rapeseed meal, 547
- Nutritive value
 ammoniation of canola meal, 915
 potato waste meal, 1171
 poultry waste in corn silage, 163
 utilization of muka by sheep, 467
- Once-bred
 reproductive performance and meat production of gilts, 877
- Ontario
 milk yields in Ontario dairy herds, 449
- Organ weight
 rumen motility response of sheep, 777
- Ovarian activity
 ovarian activity in sheep, 1101
 progesterone in prepuberal heifers, 759
- Ovine
 defaunation of the ovine rumen, 299
- Ovine fetus
 CO_2 production in the ovine fetus, 409
- Oxidation
 tyrosine turnover in the ovine fetus, 787
- Palatability
 angle of cut and thaw-drip and cooking of steaks, 641
 canola seed in poultry diets, 861
- Parturition
 parturition in beef cows, 597
- Pasture
 finishing steers on corn or grass silage, 1079
- Pea protein
 protein utilization by weanlings, 899
- Pepsin digestibility
 assessment of heat damage in fish meals, 657
- Performance
 boar performance, 625
 broilers fed rapeseed, 269
- Phase-feeding
 phase-feeding of hens, 887
- Photoperiod
 effect of light on gilts, 417
 influence on sows, 141
- Physiological age
 dental age classification of cows, 745
- Pig
 leg weaknesses in swine, 1119
 urea recycling in the pig, 1193
- Pig diarrhea
 effect of diet on diarrhea in pigs, 907
- Piglet behavior
 nursing apparatus for neonatal piglets, 975
- Pigs
 blood metabolite levels in feed-restricted hogs, 315
 composition and digestibility of rapeseed hulls, 557
 diarrhea in newly weaned pigs, 1199
 effects of ammoniation on rapeseed meal, 547

- effects of vitamin B₁₂ on pigs, 527
- growth of pig muscle, 575
- penicillin, chlortetracycline and sulfamethazine for weanling pigs, 967
- protein and lipid gains in pigs, 109
- responses of pigs to low temperature, 95
- selection of floor type by pigs, 1229
- vomitoxin-contaminated wheat fed to pigs, 1211
- pH
 - rumen ammonia concentration, 249
- Pineal gland
 - effect of light on gilts, 417
- Planting density
 - corn planting density, 1143
- Plasma
 - L-tyrosine in plasma, 1223
 - plasma glucose kinetics in double-muscled cattle, 955
- Plasma lipoproteins
 - erythrocyte and lipoprotein lipid composition in dm cattle, 1089
- PMSG
 - reproductive performance of ewes, 291
- Polyphenolics
 - tannin and fiber contents of rapeseed and canola hulls, 661
- Pork quality
 - evaluation of pork quality, 725
- Postmortem metabolism
 - improving meat quality, 15
- Potato
 - potato-hay silage, 507
- Potato waste
 - potato waste meal, 1161, 1171
- Poultry
 - effects of diet on eggshell strength, 925
- Predictability
 - scrotal circumference of bulls, 133
- Preference
 - selection of floor type by pigs, 1229
- Preincubation warming
 - effect of preincubation warming on the hatchability of hens eggs, 321
- Pregnant mare's serum gonadotrophin
 - controlled reproduction of sheep, 679
- Pregnancy
 - ovarian activity in sheep, 1101
- Prepuberal heifers
 - progesterone in prepuberal heifers, 759
- Prerigor chilling
 - bovine longissimus dorsi, 353
- Prerigor freezing
 - bovine longissimus dorsi, 353
- Prewaning growth
 - preweaning performance of calves, 51
- Production
 - culling of Holstein-Friesian cows, 633
 - influence of photoperiod on sows, 141
- Progesterone
 - progesterone in prepuberal heifers, 759
- Prolificacy
 - reproductive performance of ewes, 291
- Propionate
 - effects of vitamin B₁₂ on pigs, 527
- Propionic
 - effects of vitamin B₁₂ on pigs, 527
- Protein
 - diarrhea in newly weaned pigs, 1199
 - effects of diet on eggshell strength, 925
 - responses of pigs to low temperature, 95
 - urea recycling in the pig, 1193
- Protein digestibility
 - assessment of heat damage in fish meals, 657
- Protein utilization
 - phase-feeding of hens, 887
- Protozoa
 - defaunation of the ovine rumen, 299
- Puberty
 - effect of light on gilts, 417
 - reproductive performance and meat production of gilts, 877
- Ram
 - circulating estrogen levels, 85
 - growth performance of lambs, 689
 - hormone levels in the ram, 767
- Rapeseed dockage
 - growth and feed utilization of mice, 275
- Rapeseed hulls
 - composition and digestibility of rapeseed hulls, 557
- Rapeseed meal
 - effects of ammoniation on rapeseed meal, 547
 - effects of contaminated RSM on reproduction, 607
 - performance of broilers fed rapeseed, 269
 - performance of meat chicken breeders, 239
 - tower rapeseed meal and soybean meal in diets for broiler chicks, 311
- Rapeseed oil
 - contaminated rapeseed fed to mice, 617
 - rapeseed and coconut oil in lamb milk replacers, 1241
- Rate of passage
 - double force feeding and true metabolizable energy, 963

- Rats**
influence of antibiotics on digestion, 537
protein quality of high lysine barleys, 1149
- Recycling**
urea recycling in the pig, 1193
- Regent**
nutritional value of rapeseed meals, 521
- Relative protein values**
protein quality of high lysine barleys, 1149
- Reproduction**
contaminated rapeseed fed to mice, 617
effects of contaminated RSM on reproduction, 607
- Reproductive performance**
dairy cattle reproductive performance, 709
- Reproduction in sheep**
reproduction performance of sheep, 1109
- Residual lactose protein**
feeding fermented colostrum, 191
- Retina**
effect of light on gilts, 417
- Review**
measurement of available feed energy, 984
- Roosters**
body weight of adult roosters, 307
influence of antibiotics on digestion, 537
- Rumen**
defaunation of the ovine rumen, 299
evaluation of glucopyranosylamines for cattle, 1129
rumen ammonia concentration, 249
- Rumen epithelium**
enzymes and metabolism in rumen epithelium, 429
- Rumen microorganisms**
rumen metabolism of 3-nitropropanol, 855
- Rumen motility**
rumen motility response of sheep, 777
- Ruminants**
ensiling corn, 259
- Ruminant nutrition**
poultry waste in corn silage, 163
- Ryegrass straw**
performance of feedlot lambs, 207
- Season**
circulating estrogen levels in the ram, 85
controlled reproduction of sheep, 679
- Scours**
alfalfa as a fiber source for calves, 459
- Scrotal circumference**
scrotal circumference of bulls, 1049
- Semidwarf genotypes**
effect of preincubation warming on the hatchability of hens eggs, 321
- Serum**
hormone levels in the ram, 767
- Sex**
bovine postmortem aging, 77
carcass composition of Yorkshire pigs, 69
- Shear values**
bovine longissimus dorsi, 353
- Sheep**
brown midrib-3 corn plant utilization by sheep, 487
catecholamine and noradrenaline in sheep, 147
controlled reproduction of sheep, 679
cryosurvival of ram spermatozoa, 425
growth performance of lambs, 689
kinetics of calcium in sheep, 229
meadowfoam as a feedstuff for sheep, 513
performance of feedlot lambs, 207
reproductive performance of ewes, 291
rumen fluid and duodenal digesta of faunated and defaunated sheep, 979
rumen motility response of sheep, 777
tyrosine turnover in the ovine fetus, 787
utilization of muck by sheep, 467
voluntary intake of forage, 473
- Silage**
brown midrib-3 corn plant utilization by sheep, 487
finishing steers on corn or grass silage, 1079
potato-hay silage, 507
- Silastic implants**
progesterone in prepuberal heifers, 759
- Silo type**
silages for Hereford steers, 155
- Sinapine**
ammoniation of canola meal, 915
- Single cross**
growth performance of lambs, 689
- Single-suckled**
twin-foster calf rearing, 821
- Sire comparison**
comparison of proven bulls, 333
- Skeletal muscle**
role of Na^+ , K^+ -ATPase, 123
- Slaughtered cattle**
a survey for cattle grubs, 935
- Slaughter weight**
carcass composition of Yorkshire pigs, 69
meat quality of steers, 363
- Sodium chloride**
 NaCl in beef cattle diets, 217
- Sodium hydroxide**
forage utilization of calves, 449
- Sodium-potassium transport**
role of Na^+ , K^+ -ATPase, 123

- Solubility**
rumen fluid and duodenal digesta of faunated and defaunated sheep, 979
- Sorbate**
feeding fermented colostrum, 191
- Sorghum**
sorghum and wheat in layer diets, 305
- Sorghum grain**
sorghum grain for broiler chickens, 869
- Sows**
influence of photoperiod, 141
- Soybean meal**
performance of meat chicken breeders, 239
protein utilization by weanlings, 899
Tower rapeseed meal and soybean meal in diets for broiler chicks, 311
- Spermatozoa**
cryosurvival of ram spermatozoa, 425
- Starvation**
body weight of adult roosters, 307
- Station test**
effects of age and weight on test gains of bulls, 671
- Steam-treated**
roughage in dairy cow rations, 181
- Steers**
finishing steers on corn or grass silage, 1079
- Stinkweed**
growth and feed utilization of mice, 275
- Substrate oxidation**
CO₂ production in the ovine fetus, 409
- SUN**
feeding fermented colostrum, 439
- Survival**
survival of cock spermatozoa, 951
- Swine**
boar performance, 625
carcass composition of Yorkshire pigs, 69
evaluation of ultrasonic probes, 943
growth of pig muscle, 587
influence of photoperiod on sows, 141
measurement of subcutaneous fat, 731
ultrasonic backfat measurement in swine, 665
- Swine management**
leg weaknesses in swine, 1119
- Synchronization**
controlled reproduction of sheep, 679
reproductive performance of ewes, 291
- Tannins**
tannin and fiber contents of rapeseed and canola hulls, 661
- Temperature**
protein and lipid gains in pigs, 109
responses of pigs to low temperature, 95
- Testis weight**
scrotal circumference of bulls, 133
- Testosterone**
circulating estrogen levels in the ram, 85
hormone levels in the ram, 767
- Tetrachlorvinphos**
tetrachlorvinphos-impregnated cattle ear-tags, 1249
- Thaw-drip losses**
angle of cut and thaw-drip and cooking of steaks, 641
- Thiamin**
thiamin for feedlot steers, 807
- Thyroxine**
thyroid hormones and metabolic rate in dm cattle, 387
- Toe clipping**
toe clipping and reduced feeding time of broiler chickens, 971
- TPP effect**
thiamin for feedlot steers, 807
- Trace elements**
rumen fluid and duodenal digesta of faunated and defaunated sheep, 979
- Traits**
erythrocyte and lipoprotein lipid composition in dm cattle, 1089
- Transit time**
diarrhea in newly weaned pigs, 1199
- Transketolase**
thiamin for feedlot steers, 807
- Triiodothyronine**
thyroid hormones and metabolic rate in dm cattle, 387
- Trimethylamine**
fishy odor and trimethylamine in eggs, 919
- True metabolizable energy**
body weight of adult roosters, 307
nutritional value of rapeseed meals, 521
- Turnover**
catecholamine and noradrenaline in sheep, 147
tyrosine turnover in the ovine fetus, 787
- Tyrosine**
tyrosine turnover in the ovine fetus, 787
- Twin-foster**
twin-foster calf rearing, 821
- Ultrasound**
carcass composition of lambs and cattle, 371
- Ultrasonic**
measurement of subcutaneous fat, 731
- Ultrasonic backfat**
ultrasonic backfat measurement in swine, 665

- Ultrasonic probes
 - evaluation of ultrasonic probes, 943
- Urea
 - urea recycling in the pig, 1193
- Urea dilution
 - carcass composition of lambs and cattle, 371
- Urea nitrogen
 - blood metabolite levels in feed-restricted hogs, 315
- Variance components
 - maternal effects in beef cattle, 1057
- Vitamin B₁₂
 - effects of vitamin B₁₂ on pigs, 527
- Vitamin-mineral replacer
 - vitamin and mineral mixture for mink, 1245
- Vomitoxin
 - vomitoxin-contaminated wheat fed to pigs, 1211
- Weaning
 - diarrhea in newly weaned pigs, 1199
- Weaning weight
 - maternal effects in beef cattle, 1057
- Weed seed oil
 - contaminated rapeseed fed to mice, 617
- Weed seeds
 - effects of contaminated RSM on reproduction, 607
- Weight
 - effect of age and weight on test gains of bulls, 671
- Weanling pigs
 - protein utilization by weanlings, 899
- Wheat
 - diets for broiler chicks, 311
 - layer diets, 305
 - vomitoxin-contaminated wheat fed to pigs, 1211
- Wheat Straw
 - roughage in dairy cow rations, 181
- Winter
 - potato-hay silage, 507
- Yearling steers
 - ammonia and corn silage dry matter, 173
- Yellow brown
 - composition and digestibility of rapeseed hulls, 557
- Zeranol
 - effects of zeranol on growth and carcass, 739

